

# NORTH CAROLINA DIVISION OF MARINE FISHERIES

Presentation

## On the Horizon for Recreational Data Collection

April 21, 2012



There has never been a greater demand for  
reliable recreational fishing data



# Challenges Facing the North Carolina Division of Marine Fisheries and Recreational Data Collection

- Fisheries Reform Act 1997
- Magnuson Stevens Re-Authorization (2006)
- MRIP Implementation
- NC For-hire Fisheries



# Challenges Facing the North Carolina Division of Marine Fisheries and Recreational Data Collection

- Fisheries Reform Act 1997
  - Constant challenge
  - Fishery Management Plans
  - Some species that need plans are rarely captured in samples



# Magnuson Stevens Re-Authorization Act 2006

## 2006 Amendments

- Address Recommendations of National Research Council
- Recreational Data Improvement (FIX MRFSS)
- End and Prevent Overfishings
- Establish Annual Catch Limits
- Develop National Angler Registry



# MRIP Access Site Survey Implementation



# MRIP Access Site Survey Implementation

- Completely new access site survey
  - Developed by MRIP Design and Analysis workgroup (survey statisticians, state and NOAA staff, NRC members, and consultants)
  - Based on pilot survey NC 2010
  - Implementation coastwide 2013
  - More accurate
  - Reduce bias



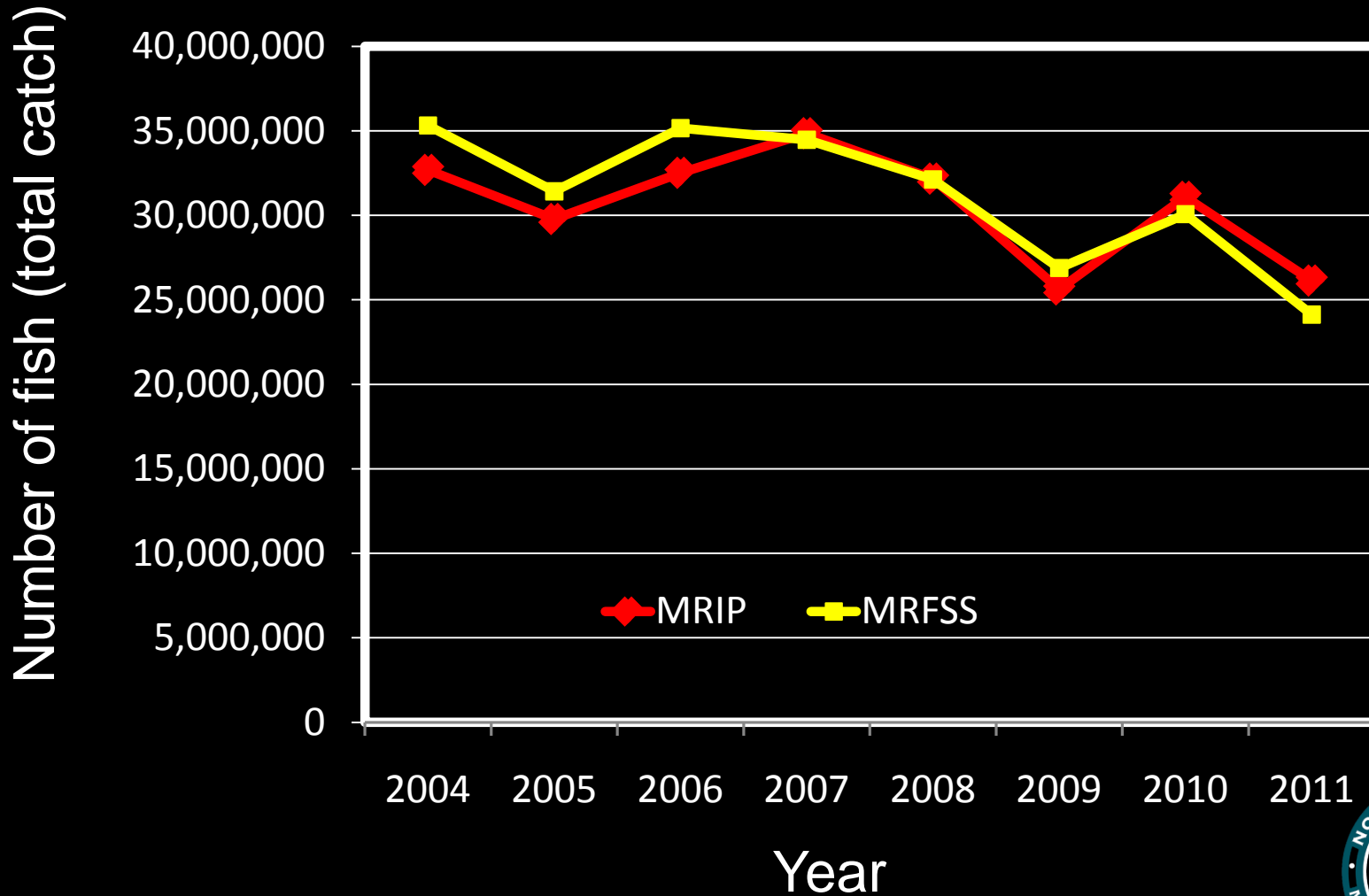
# MRIP Access Site Survey Implementation (continued)

- Bias reduction
  - Reduced by changing sampling procedures
  - Site clusters established
    - clusters contain 1-3 sites
  - Samplers must survey at each site in Cluster (rules)
  - 4 Six hour sampling periods (24/7, nighttime coverage)
  - **Prompted NOAA to re-estimate catch data, 2004-2009**

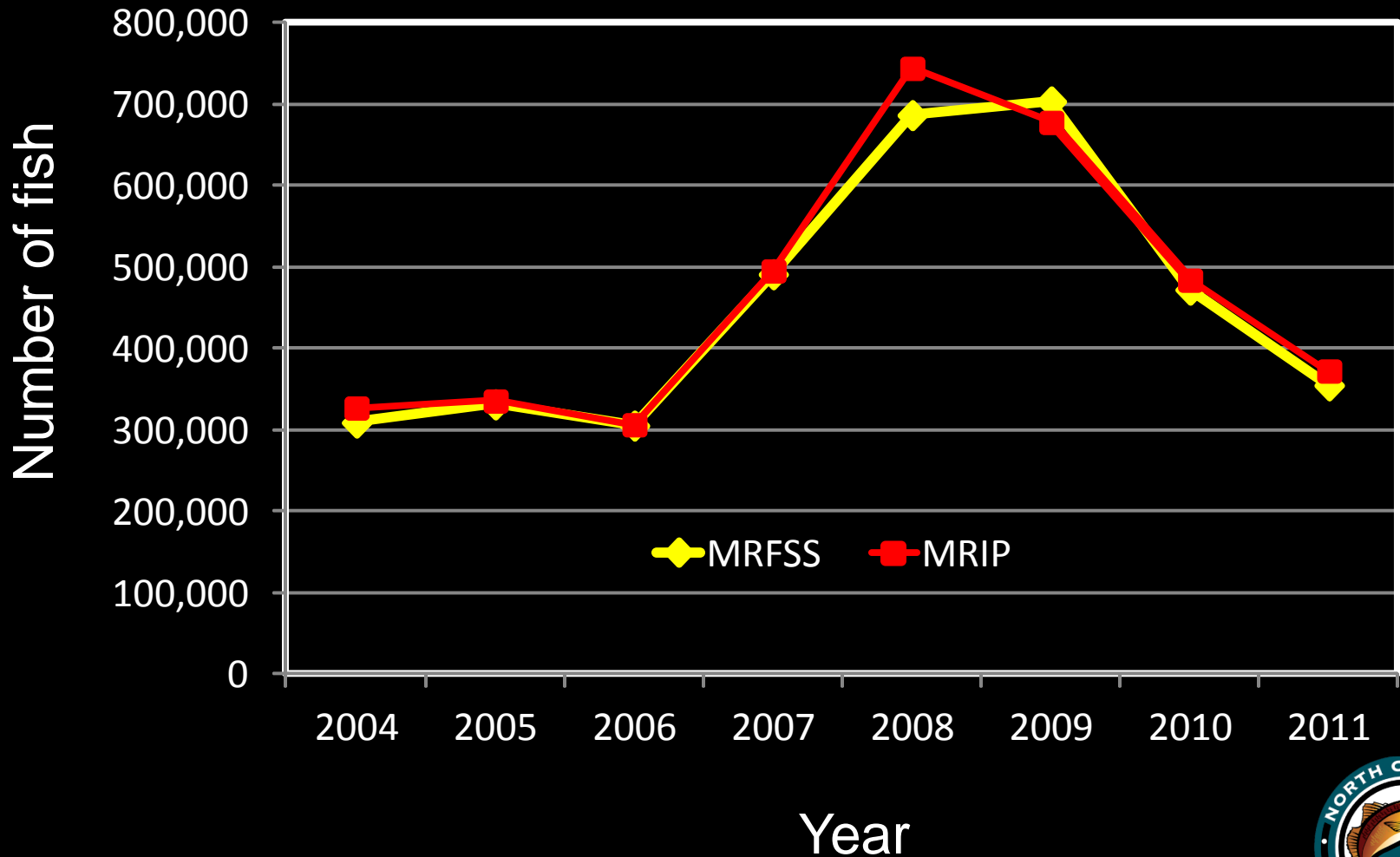




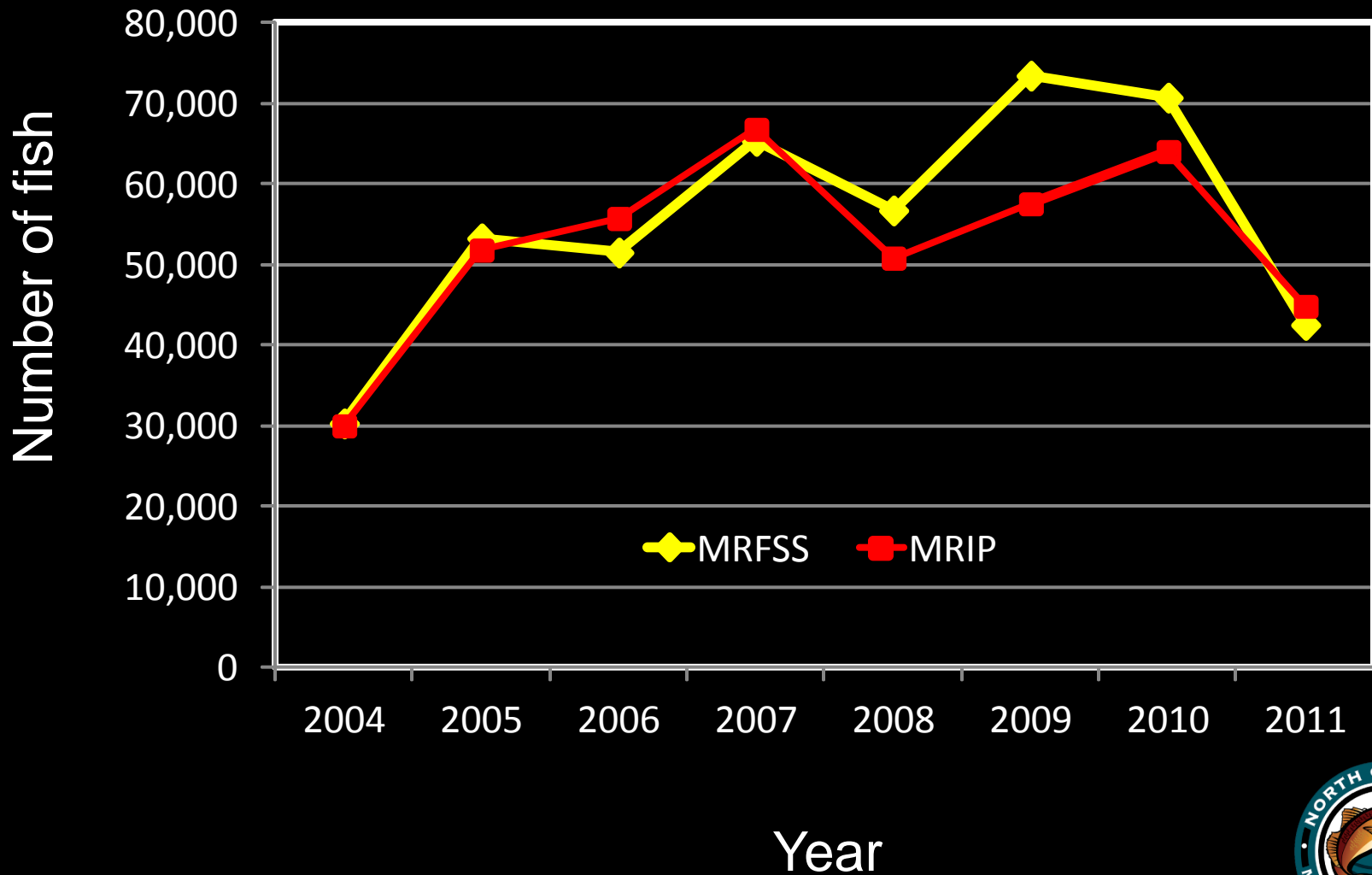
# Impact of MRIP Re-estimates in North Carolina, 2004 - 2011 (all species)



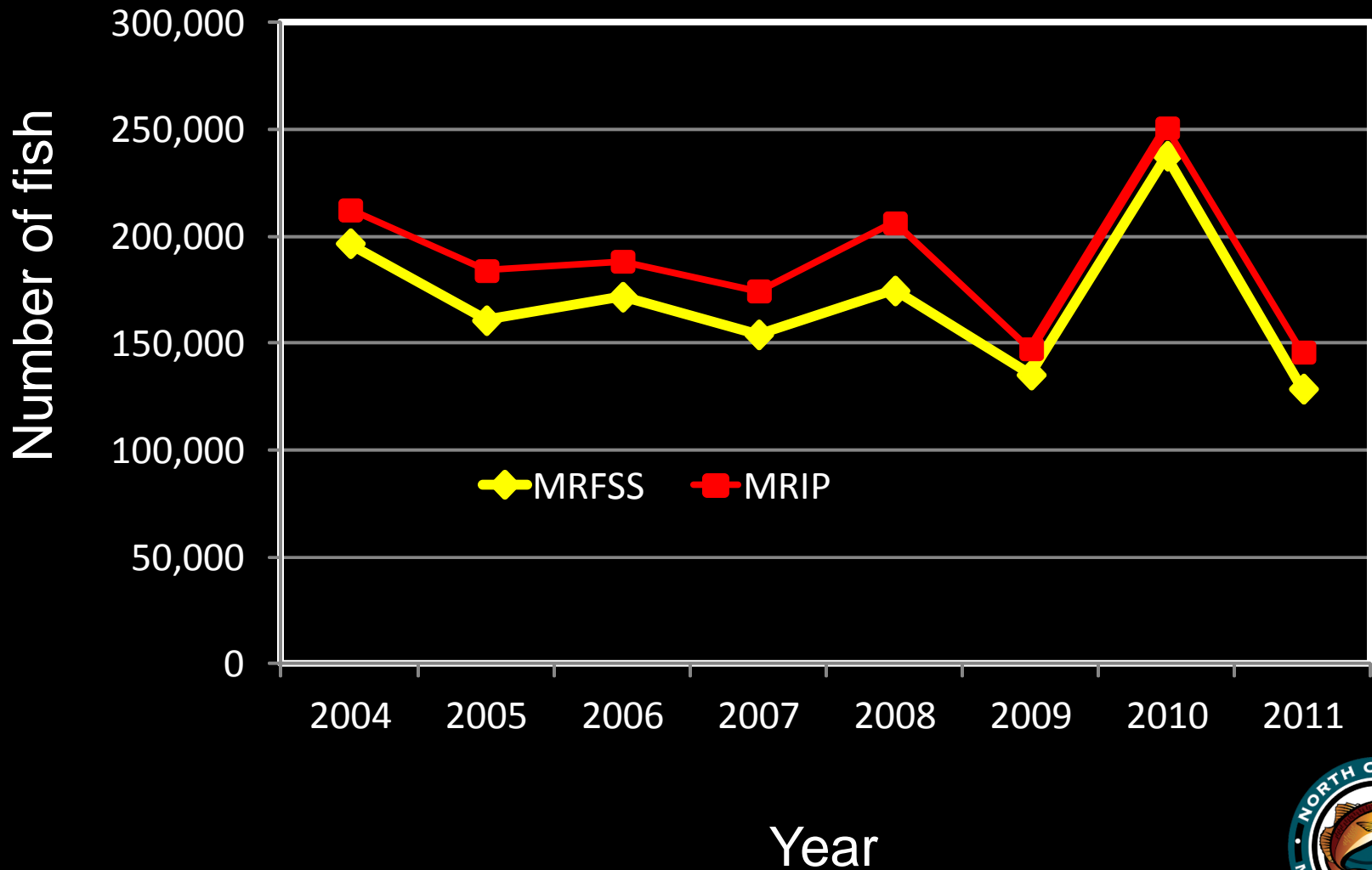
# Impact of MRIP Re-estimates for Spanish Mackerel in North Carolina, 2004 -2011



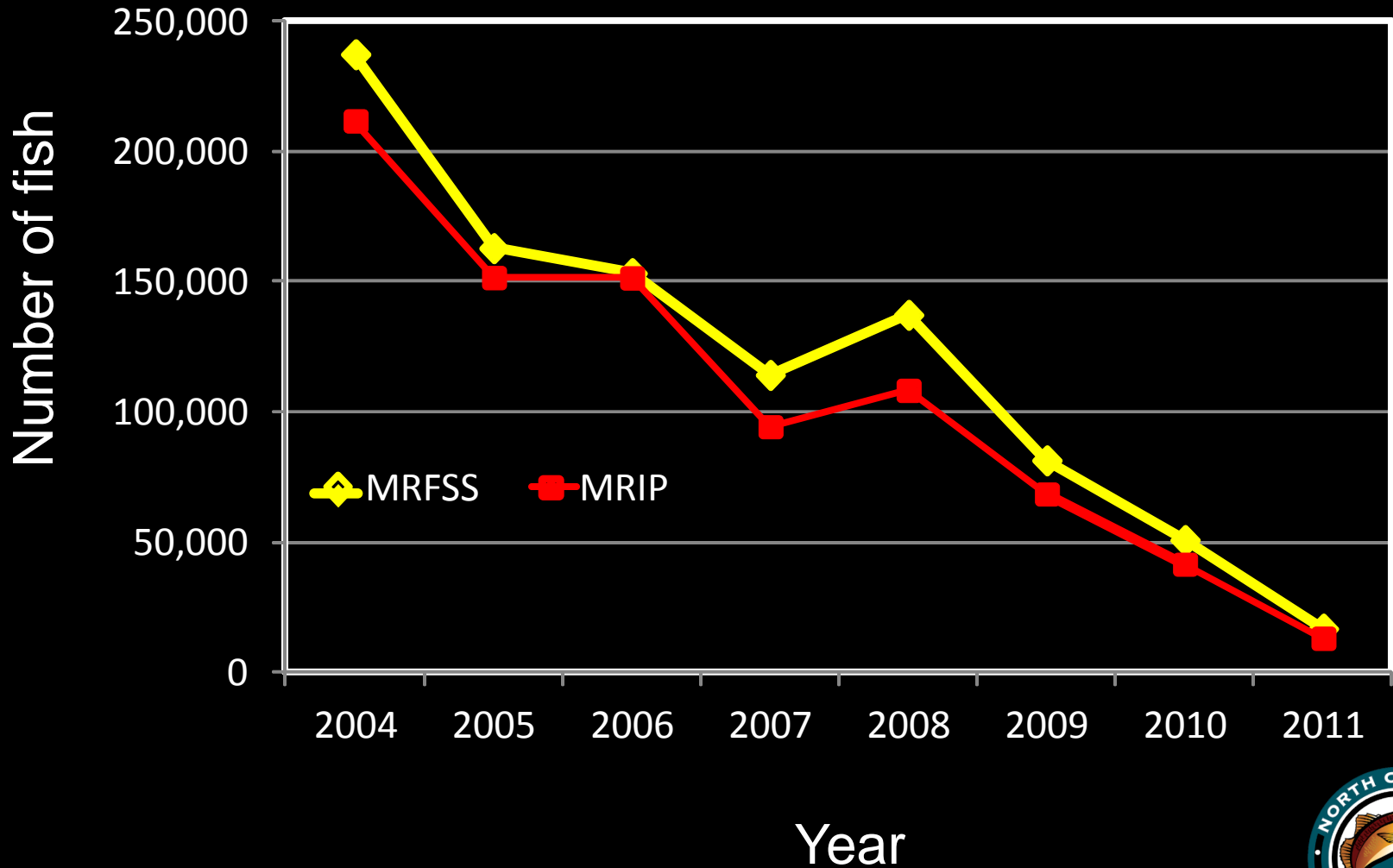
# Impact of MRIP Re-estimates for Red Drum in North Carolina, 2004 - 2011



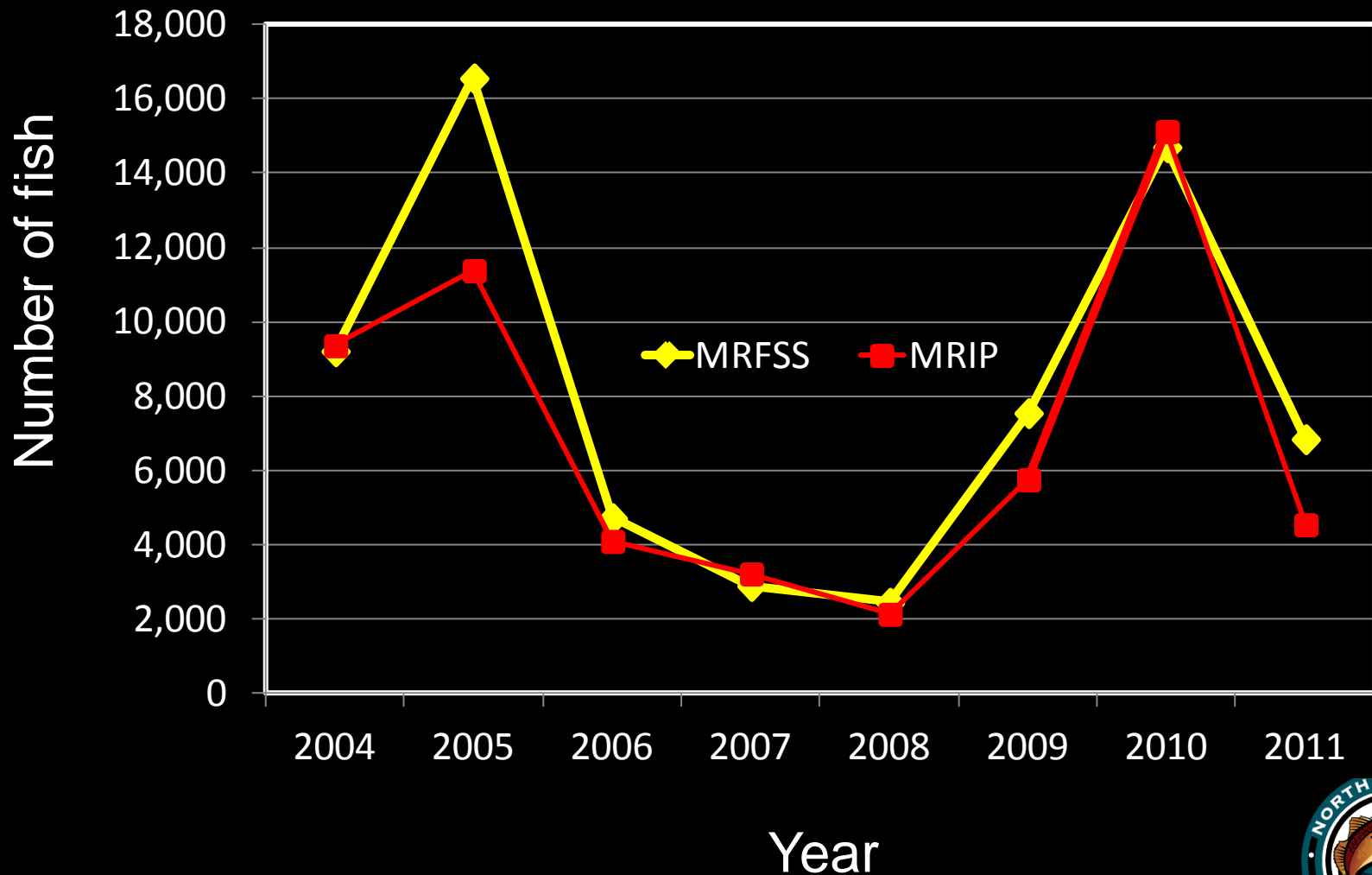
# Impact of MRIP Re-estimates for Southern Flounder in North Carolina, 2004 – 2011



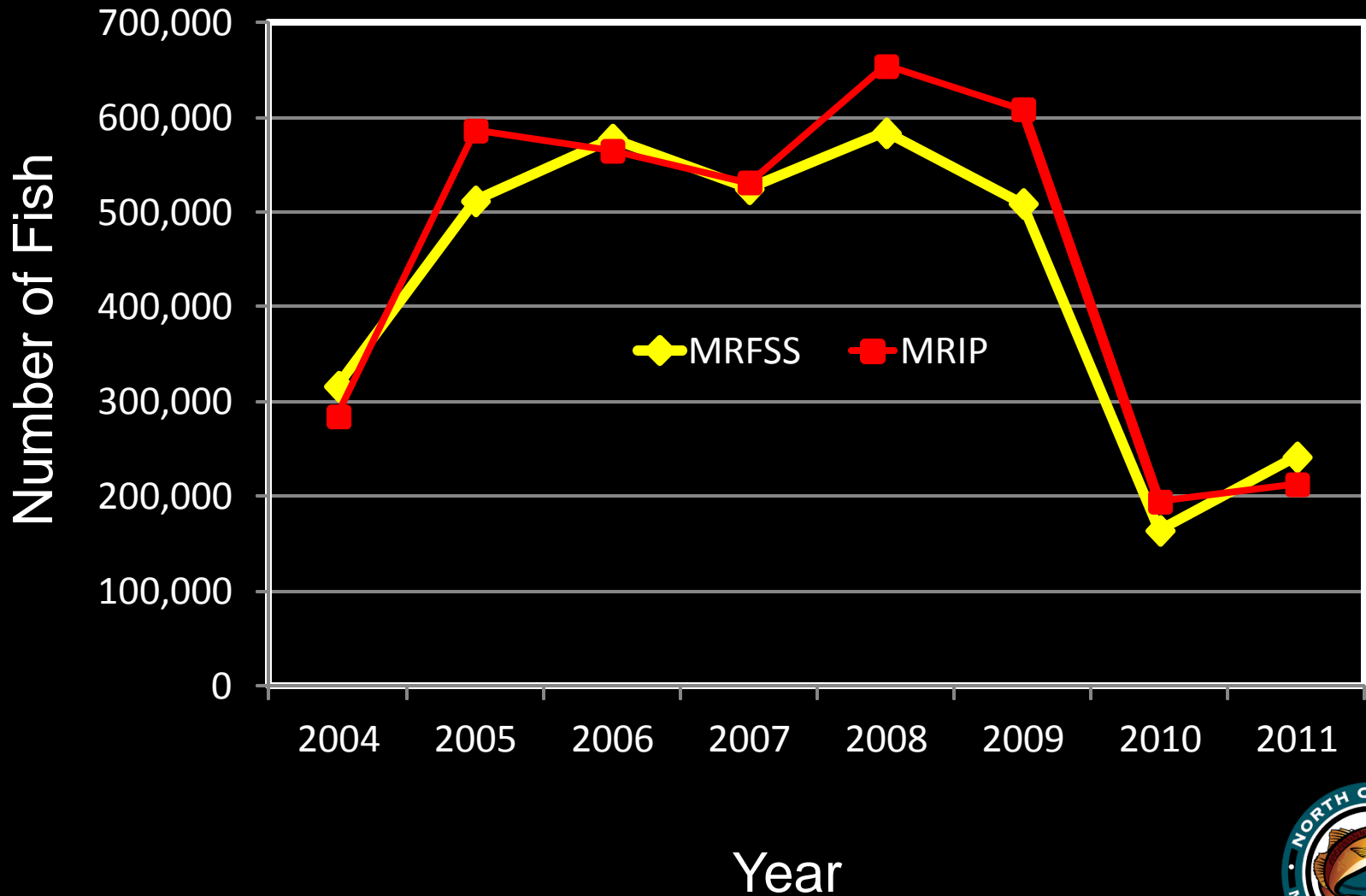
# Impact of MRIP Re-estimates for Weakfish in North Carolina, 2004 - 2011



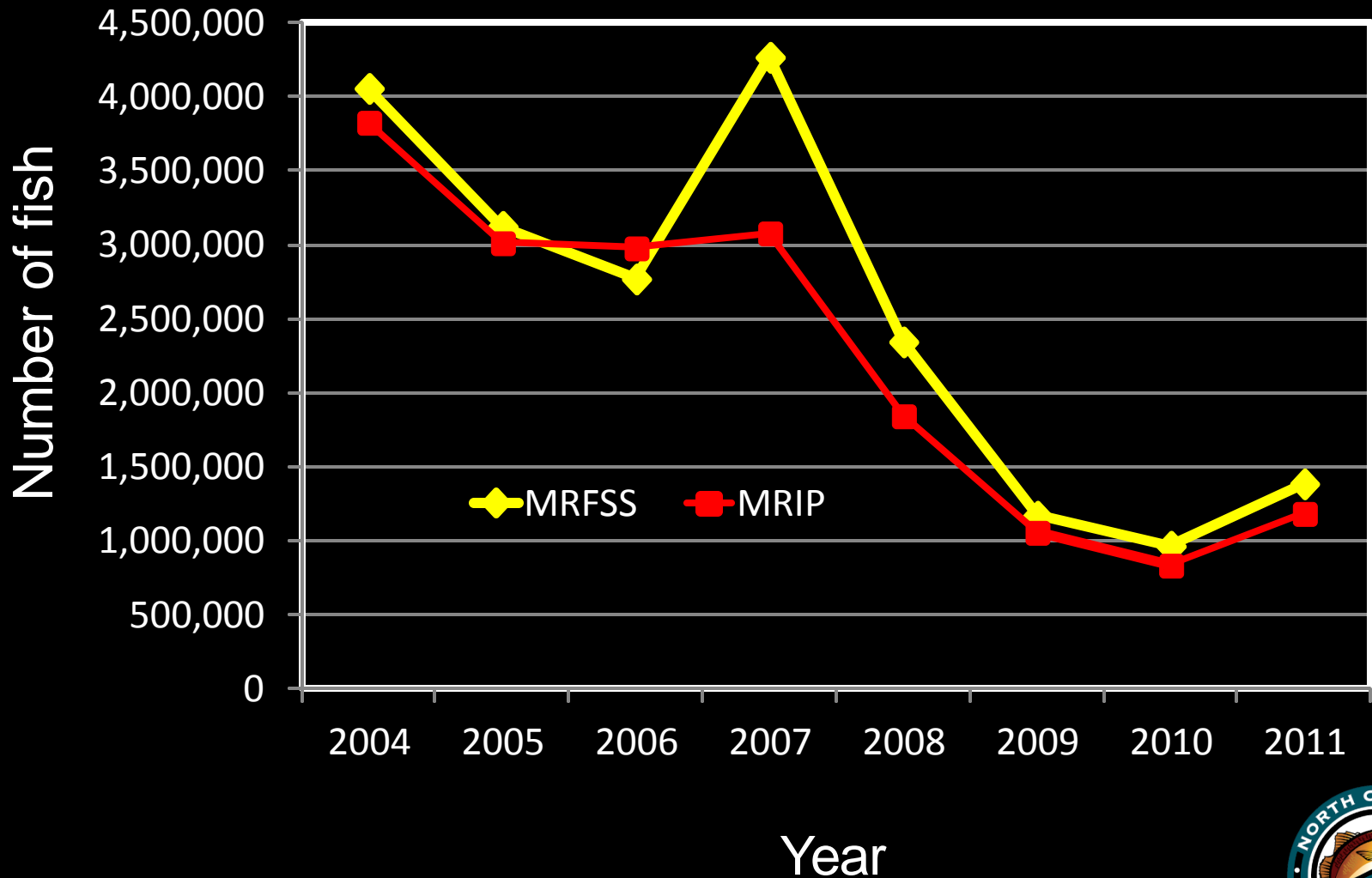
# Impact of MRIP Re-estimates for Cobia in North Carolina, 2004 - 2011



# Impact of NC Spotted Seatrout Re-estimates, 2004 - 2011



# Impact of NC Spot Re-estimates, 2004 - 2010





# NC For-hire Fisheries



# NC For-hire Fisheries

## NRC Recommendations and MRIP

- Pilot studies Gulf and South Atlantic (results 2011)
- New sampling methodology will greatly impact the ability to provide guideboat estimates of catch
- DMF has a responsibility to the guideboat industry to represent them through collecting catch and effort data
- Continue to work on For-Hire license reform



Questions?

